In the Claims:

1. (Original) A process for making biomedical absorbable foams suitable for use in the repair and regeneration of dermal tissue, comprising:

preparing a homogenous solution comprising a synthetic, biocompatible, bioabsorbable, aliphatic, elastomeric copolymer comprising copolymerized ε-caprolactone and glycolide at a molar ratio of ε-caprolactone:glycolide ranging from about 30:70 to about 40:60 and a solvent in which the copolymer is soluble, wherein the homogenous solution comprises about 5 percent by weight of the copolymer and about 95 percent by weight of the solvent,

placing the homogenous solution in a mold or other device suitable for preparing foam tissue scaffolds suitable for use in repair and regeneration of dermal tissue,

quenching the homogenous solution at a temperature and rate of temperature reduction sufficient to provide foam tissue scaffolds suitable for use in repair and regeneration of dermal tissue,

solidifying the solution to form a solid; and

removing the solvent from the solid to provide a biocompatible, bioabsorbable porous foam suitable for use in the repair and regeneration of dermal tissue.

2. (Original) The process of claim 1 wherein the copolymer comprises copolymerized ε-caprolactone and glycolide at a molar ratio of ε-caprolactone:glycolide of about 35:65.

3. (Original) The process of claim 1 wherein the solution is quenched by exposing the solution to a temperature of about -17°, whereby the temperature of the solution is reduced at a rate of from about 2°C/min to about 50°C/min.

4. (Original) The process of claim 2 wherein the solution is quenched by exposing the solution to a temperature of about -17°, whereby the temperature of the solution is reduced at a rate of from about 4°C/min to about 20°C/min.

5. (Original) The process of claim 1 wherein the solution further comprises a therapeutic agent.

6. (Original) The process of claim 5 wherein the therapeutic agent is selected from the group consisting of anti-microbial agents, hemostatic agents, cytostatic and cytoxic drugs, anti-infectives, hormones, analgesics, anti-inflammatory agents, oncological pharmaceuticals, peptides, small molecules, growth factors and anti-fungal agents.

7-16. (Cancelled)